

GREENE COUNTY CORNER PERPETUATION RECORD

Corner ID: **Center_P19**

Center Quarter Corner

Section 23 - T07N-R03W, 2nd P.M.

Center Township, Greene County, Indiana



PERPETUATION RECORD

MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)

5/8" rebar with yellow plastic cap stamped "BRCJ INC 6892 IN" found 3" above grade

OTHER EVIDENCE: Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.

From the cell tower at 12467 E Carmichael Road, walk north for approximately 950 feet. The rebar is in a wooded area approximately 100 feet northwest of the edge of a pasture and 7.5 feet south of an east/west wire fence .

GEODETIC COORDINATES: (OSM #10128)

Northing: 329239.70, Easting: 898260.27

Datum: InGCS Greene Zone, US Survey Feet

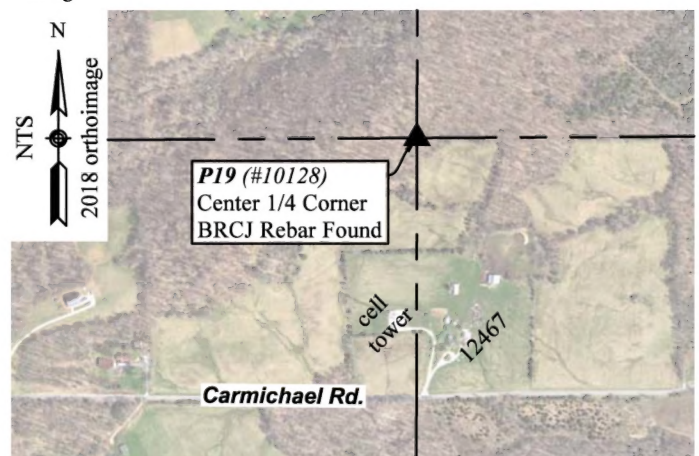
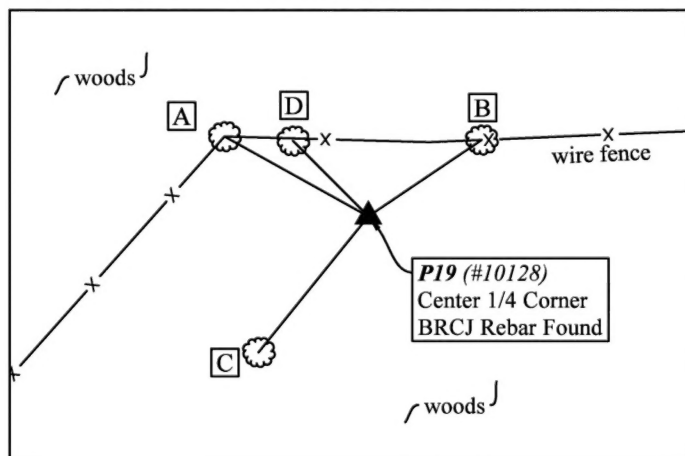
Northing: 1377247.23, Easting: 3058869.87

Datum: NAD83(2011) IN West Zone, US Survey Feet

WITNESS MONUMENT TIES: Describe at least three witness objects.

ID	Bearing	Distance	Description
A	N 61° W	16.5'	2" mag nail and 1-1/4" fender washer set in hack 8" above grade on the southwest side of a 20" dbh oak with fence to the east and southwest
B	N 56° E	13.7'	2" mag nail and 1-1/4" fender washer set in hack 10" above grade on the southeast side of a 17" hickory with east/west fence
C	S 39° W	17.5'	2" mag nail set 10" above grade on the west side of a 21" red oak
D	N 45° W	10.7'	Greene County Survey Marker sign set 3 feet above grade on the southeast side of a 9" dbh maple with east/west fence

MONUMENT LOCATION SKETCH: Attach a sketch or aerial image.



CORNER REPORT

THEORY OF LOCATION: Describe the theory of location for acceptance of this monument.

The original government land surveyors monumented the section corners and quarter corners of each section with wooden posts in the early 1800s. The task of replacing the original wooden posts with permanent objects such as stones, and setting permanent objects at the center of section and other interior aliquot corners was left to the county surveyors (in the 1800s and early 1900s) and later to local surveyors in private practice.

The standard procedure for establishing the center quarter corner of a section is by straight lines joining opposite quarter corners. When Kelshaw first established the Center Quarter corner of Section 23 in 1838, he was unable to find the stake or the witness trees for the East Quarter corner of Section 23, so he set the stake for the center of Section 23 at

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the midpoint between the North and South Quarter corners.

When Badger re-established the Center Quarter corner of Section 23 in 2011, he found no evidence of a monument, and apparently being unaware of Kelshaw's survey, he calculated the corner using the standard procedure. Badger's calculated location was later accepted by Tibbett in 2012. In 2020, Porter monumented the location calculated by Badger. Porter noted that the corner thus established is 31 feet southerly of where it would be located if Kelshaw's method had been employed.

We searched a 10 foot radius 31 feet north of the BRCJ rebar, and found no evidence of Kelshaw's corner or its accessories. The BRCJ rebar is 7.5 feet south of an east/west wire fence and its location has been relied upon by prior surveyors. We accepted the BRCJ rebar as the best evidence of the corner.

EXISTING SURVEY HISTORY: Include as much detail and history of the corner as known at the time of perpetuation.

ORIGINAL

GOVERNMENT SURVEY:

The center of Section 23 was not established by the original government surveyor.

SUBSEQUENT CORNER RESTORATION:

Date Surveyed: 3/29/1838 By: John B. Kelshaw, GCS

Where filed or recorded: Legal Survey Book 1, page 28

Monument: stake

Bearing Trees or Witness Ties:	Bearing	Distance
20" hickory	S16°W	6.3'
20" Spanish oak	N43.5°E	11.5'

Notes: Kelshaw set this corner at the midpoint between the original government corner stakes found at the north and south quarter corners of Section 23.

OTHER SURVEY HISTORY: Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
3/29/1838	Kelshaw, John B.	Legal Survey in Section 23 for Martindale & Shelton <i>Set a stake at P19 at the mathematical split between the North and South Quarter corners of Section 23</i>	LSB 1, pg 28
2/2/2011	Badger, Matthew G.	Conservation Easement Survey for Fields <i>Held a calculated location at the mathematical bearing/bearing intersection of the opposite quarter corners of Section 23.</i>	2011-2910
3/11/2011	Badger, Matthew G.	I69 Section 4 Segment 6 Route Survey (<i>Held calc. corner</i>)	2011-0980
9/19/2012	Tibbett, James C.	Survey in Section 23 for Hanna (<i>Held calc. corner</i>)	2012-4461
12/10/2020	Porter, Christopher	Garsnett Farm Survey in Section 23 <i>Held the location calculated by Badger in 2011</i> <i>Origin of BRCJ capped rebar at P19</i>	2021-2889

UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: None noted.
- Discrepancies in the Documents: 31 feet.
- Inconsistencies in the lines of Occupation: 7.5 feet due to an east/west wire fence (old and new wire) on the north side of the rebar that is in line with huge trees.
- Theoretical Uncertainty (Random Errors in Measurement): The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.

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PHOTO IDENTIFIED: Photograph close up photo of monument and a vicinity photo of the monument.

Photo Date: 12/23/2021



Photo Orientation & Description: Rebar at P19



Photo Orientation & Description: Looking east at P19

FIELD PERSONNEL:

Field Date: 12/23/2021 By: Rachel Oser and Phillip Oser Project : Oser Surveying & Mapping LLC Job# 10226A Corner Perpetuation Survey for Center Township Sections 14, 15, 22 & 23, Township 7 North, Range 3 West

Notes: This document is not complete without the associated plat and report of survey dated January 25, 2022.

BASIS OF GEODETIC COORDINATES: The basis of bearings is the Indiana Geospatial Coordinate System's (InGCS) "Greene" zone NAD 83 (2011) epoch 2010.00, NAVD 88, geoid18_conus.db3, reported in US Survey Feet and decimal parts thereof. The zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county. Coordinates are also reported in Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18_conus.db3, US Survey Feet.

Coordinates were established using a Javad GNSS System (Triumph LS rover and Triumph 3 base) and the InCORS Real-Time Network. Distances to witness ties were measured with a 100-foot steel tape. Bearings to witness ties were collected with the internal magnetic compass of the Javad Triumph LS and were automatically adjusted to InGCS Greene Zone Grid North. Bearings to witness ties are approximately shown hereon for reference. Priority should be given to provided distances over bearings.

CERTIFICATION:

Rachel Oser

Indiana Professional Surveyor 21100022

Oser Surveying & Mapping LLC

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(812) 320-2694 • Rachel@OserSurveying.com

Date: 1/25/2022

